

**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION)

南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.)

桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL **DEVEL OPMENT ZONE, JIANG SU. CHINA)** 

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by the applicant as):

送樣廠商(Sample Submitted By)

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION)

樣品名稱(Sample Name)

Cu PLATING (鍍銅)

樣品型號(Style/Item No.)

鍍銅

收件日(Sample Receiving Date)

\_\_\_\_\_\_ 06-Mar-2025

測試期間(Testing Period)

06-Mar-2025 to 12-Mar-2025

測試需求(Test Requested)

依據客戶指定,參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試 鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚, DBP, BBP, DEHP, DIBP。 (As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)

(2) 其他測試項目請見下一頁。 (Please refer to next pages for the other item(s).)

測試結果(Test Results)

請參閱下一頁 (Please refer to following pages.)

Troy Chang / Department Malage Signed for and on behalf SĞS TAIWAN LTD. Chemical Laboratory - Taipei



頁數(Page): 1 of 22



**Test Report** 

頁數(Page): 2 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

#### 測試部位敘述 (Test Part Description)

No.1 : 銅色金屬片狀 (COPPER COLORED METAL SHEET)

#### 測試結果 (Test Results)

測試項目	測試方法	單位	MDL	結果
(Test Items)	(Method)	(Unit)		(Result)
				No.1
鎘 (Cd) (Cadmium (Cd))	參考IEC 62321-5: 2013·以感應耦合電漿發射	mg/kg	2	n.d.
	光譜儀分析。(With reference to IEC 62321-5:			
	2013, analysis was performed by ICP-OES.)			
鉛 (Pb) (Lead (Pb))	參考IEC 62321-5: 2013·以感應耦合電漿發射	mg/kg	2	n.d.
	光譜儀分析。(With reference to IEC 62321-5:			
	2013, analysis was performed by ICP-OES.)			
汞 (Hg) (Mercury (Hg))	參考IEC 62321-4: 2013+ AMD1: 2017,以感應	mg/kg	2	n.d.
	耦合電漿發射光譜儀分析。(With reference to			
	IEC 62321-4: 2013+ AMD1: 2017, analysis			
	was performed by ICP-OES.)			
六價鉻 (Hexavalent Chromium) Cr(VI)	參考IEC 62321-7-1: 2015·以紫外光-可見光分光	μg/cm²	0.1	n.d.
(#2)	光度計分析。(With reference to IEC 62321-7-1:			
	2015, analysis was performed by UV-VIS.)			
一溴聯苯 (Monobromobiphenyl)		mg/kg	5	n.d.
二溴聯苯 (Dibromobiphenyl)		mg/kg	5	n.d.
三溴聯苯 (Tribromobiphenyl)		mg/kg	5	n.d.
四溴聯苯 (Tetrabromobiphenyl)		mg/kg	5	n.d.
五溴聯苯 (Pentabromobiphenyl)	参考IEC 62321-6: 2015·以氣相層析儀/質譜儀	mg/kg	5	n.d.
六溴聯苯 (Hexabromobiphenyl)	分析。(With reference to IEC 62321-6: 2015,	mg/kg	5	n.d.
七溴聯苯 (Heptabromobiphenyl)	analysis was performed by GC/MS.)	mg/kg	5	n.d.
八溴聯苯 (Octabromobiphenyl)		mg/kg	5	n.d.
九溴聯苯 (Nonabromobiphenyl)		mg/kg	5	n.d.
十溴聯苯 (Decabromobiphenyl)		mg/kg	5	n.d.
多溴聯苯總和 (Sum of PBBs)		mg/kg	-	n.d.



**Test Report** 

頁數(Page): 3 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.)

桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1
一溴聯苯醚 (Monobromodiphenyl ether)		mg/kg	5	n.d.
二溴聯苯醚 (Dibromodiphenyl ether)		mg/kg	5	n.d.
三溴聯苯醚 (Tribromodiphenyl ether)		mg/kg	5	n.d.
四溴聯苯醚 (Tetrabromodiphenyl ether)		mg/kg	5	n.d.
五溴聯苯醚 (Pentabromodiphenyl ether)	参考IEC 62321-6: 2015,以氣相層析儀/質譜儀	mg/kg	5	n.d.
六溴聯苯醚 (Hexabromodiphenyl ether)	分析。(With reference to IEC 62321-6: 2015,	mg/kg	5	n.d.
七溴聯苯醚 (Heptabromodiphenyl ether)	analysis was performed by GC/MS.)	mg/kg	5	n.d.
八溴聯苯醚 (Octabromodiphenyl ether)		mg/kg	5	n.d.
九溴聯苯醚 (Nonabromodiphenyl ether)		mg/kg	5	n.d.
十溴聯苯醚 (Decabromodiphenyl ether)		mg/kg	5	n.d.
多溴聯苯醚總和 (Sum of PBDEs)		mg/kg	-	n.d.
鄰苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl phthalate (BBP))	參考IEC 62321-8: 2017 · 以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.
鄰苯二甲酸二丁酯 (DBP) (Dibutyl phthalate (DBP))	參考IEC 62321-8: 2017·以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di- (2-ethylhexyl) phthalate (DEHP))	參考IEC 62321-8: 2017·以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP))	參考IEC 62321-8: 2017·以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.
鄰苯二甲酸二異癸酯 (DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0, 68515-49-1)	參考IEC 62321-8: 2017·以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.
鄰苯二甲酸二異壬酯 (DINP) (Diisononyl phthalate (DINP)) (CAS No.: 28553-12-0, 68515-48-0)	參考IEC 62321-8: 2017·以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.



**Test Report** 

頁數(Page): 4 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.)

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION)

桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

測試項目	測試方法	單位	MDL	結果
(Test Items)	(Method)	(Unit)		(Result)
				No.1
鄰苯二甲酸二正辛酯 (DNOP) (Di-n-octyl	参考IEC 62321-8: 2017,以氣相層析儀/質譜儀	mg/kg	50	n.d.
phthalate (DNOP)) (CAS No.: 117-84-0)	分析。(With reference to IEC 62321-8: 2017,			
	analysis was performed by GC/MS.)			
六溴環十二烷及所有主要被辨別出的異構	參考IEC 62321: 2008,以氣相層析儀/質譜儀分	mg/kg	5	n.d.
物(HBCDD) (α- HBCDD, β- HBCDD, γ-	析。(With reference to IEC 62321: 2008,			
HBCDD) (Hexabromocyclododecane	analysis was performed by GC/MS.)			
(HBCDD) and all major				
diastereoisomers identified ( $\alpha$ - HBCDD,				
β- HBCDD, γ- HBCDD)) (CAS No.:				
25637-99-4, 3194-55-6 (134237-51-7,				
134237-50-6, 134237-52-8))				
氟 (F) (Fluorine (F)) (CAS No.: 14762-94-		mg/kg	50	n.d.
8)				
氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-	参考BS EN 14582: 2016 · 以離子層析儀分析。	mg/kg	50	n.d.
15-1)	(With reference to BS EN 14582: 2016,			
溴 (Br) (Bromine (Br)) (CAS No.: 10097-	analysis was performed by IC.)	mg/kg	50	n.d.
32-2)				
碘 (I) (Iodine (I)) (CAS No.: 14362-44-8)		mg/kg	50	n.d.
全氟辛烷磺酸及其鹽類 (PFOS and its	参考CEN/TS 15968: 2010 · 以液相層析串聯質	mg/kg	0.01	n.d.
salts) (Perfluorooctane sulfonates and	譜儀分析。(With reference to CEN/TS 15968:			
its salts (PFOS and its salts)) (CAS No.:	2010, analysis was performed by LC/MS/MS.)			
1763-23-1 and its salts)				
全氟辛酸及其鹽類 (PFOA and its salts)	参考CEN/TS 15968: 2010 · 以液相層析串聯質	mg/kg	0.01	n.d.
(Perfluorooctanoic acid and its salts	譜儀分析。(With reference to CEN/TS 15968:			
	2010, analysis was performed by LC/MS/MS.)			
and its salts)				



**Test Report** 

頁數(Page): 5 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

測試項目	測試方法	單位	MDL	結果
(Test Items)	(Method)	(Unit)		(Result)
				No.1
多氯聯苯 (PCBs) (Polychlorinated	参考US EPA 3550C: 2007,以氣相層析儀/質譜	mg/kg	0.5	n.d.
biphenyls (PCBs))	儀分析。(With reference to US EPA 3550C:			
	2007, analysis was performed by GC/MS.)			
多氯奈 (PCNs) (Polychlorinated	參考US EPA 3550C: 2007,以氣相層析儀/質譜	mg/kg	5	n.d.
naphthalene (PCNs))	儀分析。(With reference to US EPA 3550C:			
	2007, analysis was performed by GC/MS.)			
多氯三聯苯 (PCTs) (Polychlorinated	參考US EPA 3550C: 2007,以氣相層析儀/質譜	mg/kg	0.5	n.d.
terphenyls (PCTs))	儀分析。(With reference to US EPA 3550C:			
	2007, analysis was performed by GC/MS.)			
短鏈氯化石蠟(C10-C13) (SCCP) (Short	參考ISO 18219-1: 2021 · 以氣相層析儀/質譜儀	mg/kg	50	n.d.
Chain Chlorinated Paraffins(C10-C13)	分析。(With reference to ISO 18219-1: 2021,			
(SCCP)) (CAS No.: 85535-84-8)	analysis was performed by GC/MS.)			
四溴雙酚-A (TBBP-A)	參考RSTS-E&E-121,以液相層析儀/質譜儀分	mg/kg	10	n.d.
(Tetrabromobisphenol A (TBBP-A))	析。(With reference to RSTS-E&E-121,			
(CAS No.: 79-94-7)	analysis was performed by LC/MS.)			
三丁基錫 (TBT) (Tributyl tin (TBT))	<b>数 対 ICO 17353 2004</b> - 以信担民长併 (以 kg 火 店	mg/kg	0.03	n.d.
三苯基錫 (TPT) (Triphenyl tin (TPT))	参考ISO 17353: 2004・以氣相層析儀/火焰光度	mg/kg	0.03	n.d.
二辛基錫 (DOT) (Dioctyl tin (DOT))	偵測器分析。(With reference to ISO 17353: 2004, analysis was performed by GC/FPD.)	mg/kg	0.03	n.d.
二丁基錫 (DBT) (Dibutyl tin (DBT))	2004, analysis was performed by GC/17 D.)	mg/kg	0.03	n.d.
氧化雙三丁基錫 (TBTO) (Bis(tributyltin)	由三丁基錫測試結果計算得之。(Calculated	mg/kg	0.03 ▲	n.d.
oxide (TBTO)) (CAS No.: 56-35-9)	from the result of Tributyl Tin (TBT).)			
聚氯乙烯 (Polyvinyl chloride) (PVC)	參考ASTM E1252: 2021,以傅立葉轉換紅外線	**	-	Negative
	光譜儀及焰色法分析。(With reference to			
	ASTM E1252: 2021, analysis was performed			
	by FT-IR and Flame Test.)			



**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.)

桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
鈹 (Be) (Beryllium (Be)) (CAS No.: 7440-41-7)	參考US EPA 3052: 1996,以感應耦合電漿發射 光譜儀分析。(With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.)	mg/kg	2	n.d.
銻 (Sb) (Antimony (Sb)) (CAS No.: 7440-36-0)	參考US EPA 3052: 1996,以感應耦合電漿發射 光譜儀分析。(With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.)	mg/kg	2	n.d.

#### 備註(Note):

- 1. mg/kg = ppm; 0.1wt% = 0.1% = 1000ppm
- 2. MDL = Method Detection Limit (方法偵測極限值)
- 3. n.d. = Not Detected (未檢出); 小於MDL / Less than MDL
- 4. "-" = Not Regulated (無規格值)
- 5. \*\*= Qualitative analysis (No Unit) 定性分析(無單位)
- 6. Negative = Undetectable 陰性(未偵測到/未檢出); Positive = Detectable 陽性(已偵測到/檢出)
- 7. (#2) =
  - a. 當六價鉻結果大於0.13 μg/cm²·表示樣品表層含有六價鉻。(The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 μg/cm². The sample coating is considered to contain Cr(VI).)
  - b. 當六價鉻結果為n.d. (濃度小於 $0.10~\mu g/cm^2$ )·表示表層不含六價鉻。(The sample is negative for Cr(VI) if Cr(VI) is n.d. (concentration less than  $0.10~\mu g/cm^2$ ). The coating is considered a non-Cr(VI) based coating)
  - c. 當六價鉻結果介於 0.10 及 0.13  $\mu g/cm^2$  時,無法確定塗層是否含有六價鉻。(The result between 0.10  $\mu g/cm^2$  and 0.13  $\mu g/cm^2$  is considered to be inconclusive unavoidable coating variations may influence the determination.)
- 8. ▲: MDL是針對元素/測試化合物之評估。(The MDL was evaluated for element / tested substance.) 換算公式 (Conversion Formula): AX = A × F

35(5) 25 (35) 115 (31)		
AX	Α	F
氧化雙三丁基錫 (Bis(tributyltin)oxide) (TBTO)	三丁基錫 (Tributyl Tin) (TBT)	1.0276

參數換算表 (Parameter Conversion Table):

https://eecloud.sgs.com/Region\_TW/DocDownload.aspx?name=Others

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com.tw/terms-of-service">https://www.sgs.com.tw/terms-of-service</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

頁數(Page): 6 of 22



**Test Report** 

頁數(Page):7 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION)

南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.)

桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU. CHINA)

#### PFAS Remark:

現有PFAS定量技術是分析PFAS物質的特定結構,但同碳數族群之PFAS酸及鹽類物質,其可被辨識的特定結構相同,因此無法區別所分析的特定結構是來自酸或者鹽類,故測試結果為同碳數族群之PFAS之酸及鹽類物質的濃度總合。下表PFAS物質濃度皆已包含在測試結果中,相關資訊請參見下表:(下表列舉PFAS物質僅為範例,並不包含所有同碳數族群之PFAS鹽類。)

(The quantitative technology of PFAS is to analyze the specific structure of PFAS substances. However, PFAS acid and its salts with the same carbon number group have the same specific structure that can be identified. The tested results of the analyzed specific structure cannot be distinguished to identify the contribution from PFAS acid or its salts. Therefore, the tested results display the sum of concentrations of PFAS acids and its salts with the same carbon number group. The concentration of PFAS substances in the below table have been included in the tested results, please refer to the table for relevant information: (The listed PFAS substances are examples only, it do not include all PFAS salts with the same carbon number group.))

群組名稱	物質名稱	CAS No.
(Group Name)	(Substance Name)	
	全氟辛烷磺酸 (Perfluorooctane sulfonates) (PFOS)	1763-23-1
	全氟辛基磺酸鉀 (PFOS-K) Potassium perfluorooctanesulfonate (PFOS-K)	2795-39-3
	全氟辛基磺酸鋰 (PFOS-Li) Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
	全氟辛基磺酸銨 (PFOS-NH <sub>4</sub> ) Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH <sub>4</sub> )	29081-56-9
	全氟辛基磺酸二乙醇銨 (PFOS-NH(C2H4OH)2) Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(C2H4OH)2)	70225-14-8
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	全氟辛基磺酸四乙基銨 (PFOS-N( $C_2H_5$ ) <sub>4</sub> ) Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N( $C_2H_5$ ) <sub>4</sub> )	56773-42-3
	全氟辛基磺酸二癸二甲基銨 (PFOS-DDA) N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluorooctane-1-sulfonate (PFOS-DDA)	251099-16-8
	全氟辛基磺酸四丁基銨 (PFOS-N( $C_4H_9$ ) $_4$ ) TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N( $C_4H_9$ ) $_4$ )	111873-33-7
	全氟辛基磺醯氟 (POSF) Perfluorooctane sulfonyl fluoride (POSF)	307-35-7
	全氟辛基磺酸鎂 (PFOS-Mg) Perfluorooctanesulfonic acid, magnesium salt (PFOS-Mg)	91036-71-4
	全氟辛基磺酸鈉 (PFOS-Na) Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	4021-47-0



**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
	全氟辛烷磺酸哌啶 Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
	全氟辛烷磺酸鹽 Perfluorooctanesulfonate (anion)	45298-90-6
	全氟辛烷磺酸與 N,N-二乙基乙胺 (1:1) (PFOS-N( $C_2H_5$ ) <sub>3</sub> ) 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (PFOS-N( $C_2H_5$ ) <sub>3</sub> )	54439-46-2
	N,N,N-三甲基-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1-辛烷磺酸甲銨(1:1) (PFOS-N(CH <sub>3</sub> ) <sub>4</sub> ) Methanaminium, N,N,N-trimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(CH <sub>3</sub> ) <sub>4</sub> )	56773-44-5
	1-五胺·N,N,N-三丙基-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 -辛烷磺酸鹽 (1:1) (PFOS-N(C <sub>3</sub> H <sub>7</sub> ) <sub>3</sub> (C <sub>5</sub> H <sub>11</sub> )) 1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C <sub>3</sub> H <sub>7</sub> ) <sub>3</sub> (C <sub>5</sub> H <sub>11</sub> ))	56773-56-9
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	1-丁銨 · N,N-二丁基-N-甲基- · 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1-辛烷磺酸鹽 (1:1) (PFOS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> (CH <sub>3</sub> )) 1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> (CH <sub>3</sub> ))	124472-68-0
	碘鎓·雙[4-(1,1-二甲基乙基)苯基]-·1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1- 辛烷磺酸鹽 (1:1) lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-1-octanesulfonate (1:1)	213740-80-8
	二苯基鍺(2,4,6-三甲基苯基)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟- 1-辛烷磺酸鹽 (1:1) Sulfonium, diphenyl(2,4,6-trimethylphenyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	258341-99-0
	吡啶鎓·1-十六烷基-·1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 -辛烷磺酸鹽 (1:1) Pyridinium, 1-hexadecyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	334529-63-4
	1-癸胺·N,N,N-三乙基-·1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-1 -辛烷磺酸鹽 (1:1) 1-Decanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- heptadecafluoro-1-octanesulfonate (1:1)	773895-92-4

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com.tw/terms-of-service">https://www.sgs.com.tw/terms-of-service</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

新北市五股區新北產業園區五權七路 25 號 t+886(02)2299 3939 f+886(02)2299 3237 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan

頁數(Page): 8 of 22



**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

群組名稱	物質名稱	CAS No.
(Group Name)	(Substance Name)	
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	全氟辛烷磺酸四丁基鏻 (PFOS-P( $C_4H_9$ ) <sub>4</sub> )) Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P( $C_4H_9$ ) <sub>4</sub> ))	2185049-59-4
	全氟辛烷磺酸二乙胺鹽 (PFOS-C <sub>4</sub> H <sub>11</sub> N) Perfluorooctanesulfonic acid diethylamine salt (PFOS-C <sub>4</sub> H <sub>11</sub> N)	2205029-08-7
	庚基二甲基 $\{2-[(2-甲基丙-2-烯酰基)氧基]$ 乙基 $\}$ 全氟辛烷磺酸氮紮鹽 (PFOS-C <sub>15</sub> H <sub>30</sub> NO <sub>2</sub> ) Heptyldimethyl $\{2-[(2-methylprop-2-enoyl)oxy]$ ethyl $\}$ azanium perfluorooctanesulfonate (PFOS-C <sub>15</sub> H <sub>30</sub> NO <sub>2</sub> )	1203998-97-3
	1-辛烷磺酸·1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-,1,1' -酸酐 (PFOSAN) 1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, 1,1'- anhydride (PFOSAN)	423-92-7
	全氟辛酸 (Perfluorooctanoic acid) (PFOA)	335-67-1
	全氟辛酸鈉 (PFOA-Na) Sodium perfluorooctanoate (PFOA-Na)	335-95-5
	全氟辛酸鉀 (PFOA-K) Potassium perfluorooctanoate (PFOA-K)	2395-00-8
	全氟辛酸銀 (PFOA-Ag) Silver perfluorooctanote (PFOA-Ag)	335-93-3
	全氟辛氟 (PFOA-F) Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
PFOA, 及其鹽&衍生物	全氟辛酸銨 (APFO) Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
(PFOA, its salts & derivatives)	全氟辛酸鋰 (PFOA-Li) Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
	全氟辛酸鈷 (PFOA-Co) Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
	全氟辛酸銫 (PFOA-Cs) Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
	全氟辛酸鉻 (PFOA-Cr(3 <sup>+</sup> )) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3 <sup>+</sup> ))	68141-02-6
	全氟辛酸-哌嗪(2:1) PFOA-NH( $C_4H_{10}N$ ) Pentadecafluorooctanoic acidpiperazine (2/1)PFOA-NH( $C_4H_{10}N$ )	423-52-9

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com.tw/terms-of-service">https://www.sgs.com.tw/terms-of-service</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

新北市五股區新北產業園區五權七路 25 號 t+886(02)2299 3939 f+886(02)2299 3237 25, Wu Chyuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan

頁數(Page): 9 of 22



# **Test Report**

頁數(Page): 10 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.)

桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU. CHINA)

群組名稱	物質名稱	CAS No.
(Group Name)	(Substance Name)	
	全氟辛酸鹽 Pentadecafluorooctanoate (anion)	45285-51-6
	全氟辛酸酐 Perfluorooctanoic Anhydride	33496-48-9
	乙銨·N,N,N-三乙基-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸 (1:1) Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluorooctanoate (1:1)	98241-25-9
	全氟辛酸四甲銨鹽 Tetramethylammoniumperfluoroctanoat	32609-65-7
	1-丙銨·N,N,N-三丙基-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸(1:1) 1-Propanaminium, N,N,N-tripropyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluorooctanoate (1:1)	277749-00-5
PFOA, 及其鹽&衍生物 (PFOA, its salts & derivatives)	辛酸 $\cdot$ 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟-鉀鹽 $\cdot$ 水合物 (1:1:2) (PFOA-K( $H_2O$ ) $_2$ ) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt, hydrate (1:1:2) (PFOA-K( $H_2O$ ) $_2$ )	98065-31-7
	辛酸·2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟-·化合物。與乙胺 (1:1) (PFOA- $C_2H_7N$ ) Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, compd. with ethanamine (1:1) (PFOA- $C_2H_7N$ )	1376936-03-6
	十五氟辛酸化合物與吡啶 (1:1) (9CI) (PFOA- $C_5H_5N$ ) Octanoic acid, pentadecafluoro-, compd. with pyridine (1:1) (9CI) (PFOA- $C_5H_5N$ )	95658-47-2
	十五氟辛酸-1-苯基哌嗪(1:1) (PFOA- $C_{10}H_{14}N_2$ ) Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA- $C_{10}H_{14}N_2$ )	1514-68-7
	1-辛胺·N,N,N-三甲基-·2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十五氟辛酸(1:1) (PFOA- C <sub>11</sub> H <sub>26</sub> N) 1-Octanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1) (PFOA- C <sub>11</sub> H <sub>26</sub> N)	927835-01-6



## **Test Report**

頁數(Page): 11 of 22

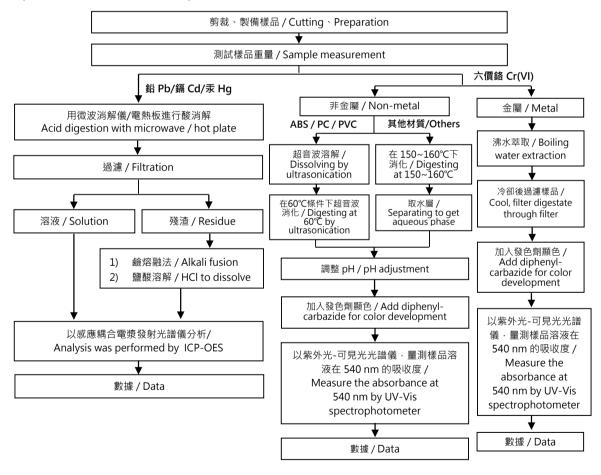
號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

#### 重金屬流程圖 / Analytical flow chart of heavy metal

根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外)

These samples were dissolved totally by pre-conditioning method according to below flow chart. ( $Cr^{6+}$  test method excluded)





## **Test Report**

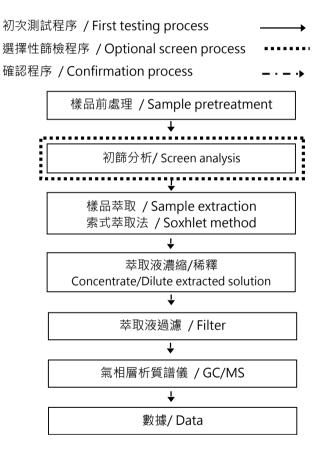
頁數(Page): 12 of 22

日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

號碼(No.): ETR25301291

#### 多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBBs/PBDEs





## **Test Report**

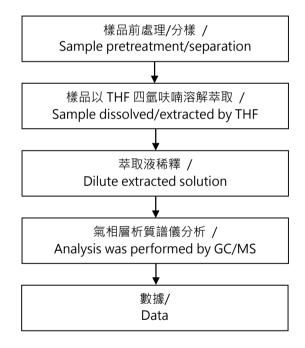
頁數(Page): 13 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

可塑劑分析流程圖 / Analytical flow chart - Phthalate

【測試方法/Test method: IEC 62321-8】





# **Test Report**

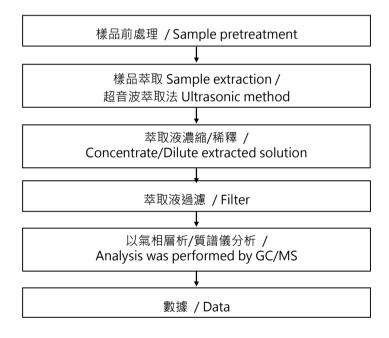
頁數(Page): 14 of 22

日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

號碼(No.): ETR25301291

#### 六溴環十二烷分析流程圖 / Analytical flow chart - HBCDD





# **Test Report**

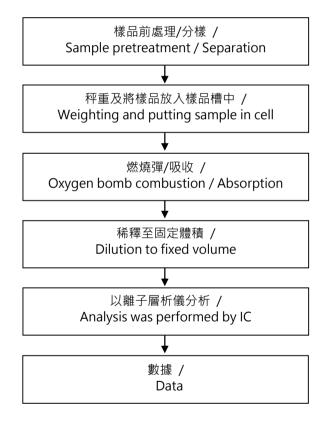
頁數(Page): 15 of 22

日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

號碼(No.): ETR25301291

#### 鹵素分析流程圖 / Analytical flow chart - Halogen



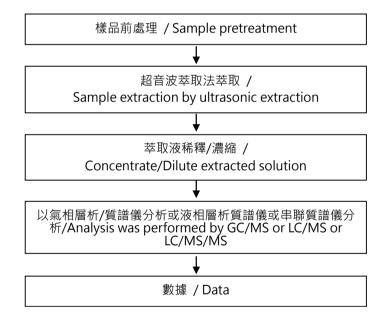


**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

全氟化合物(包含全氟辛酸/全氟辛烷磺酸/其相關化合物等等)分析流程圖 / Analytical flow chart – PFAS (including PFOA/PFOS/its related compound, etc.)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com.tw/terms-of-service">https://www.sgs.com.tw/terms-of-service</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

頁數(Page): 16 of 22



## **Test Report**

頁數(Page): 17 of 22

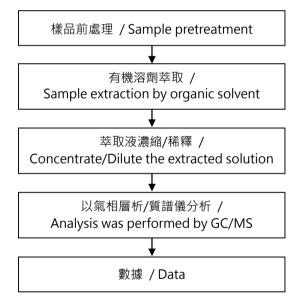
號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

#### 分析流程圖 / Analytical flow chart

【適用於:多氯聯苯、多氯奈、多氯三聯苯、滅蟻靈、氯化石蠟、DBBT】

\*Apply to: PCBs, PCNs, PCTs, Mirex, Chlorinated Paraffins, DBBT





**Test Report** 

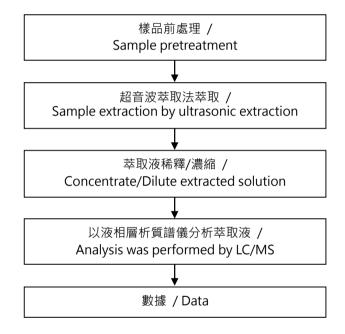
頁數(Page): 18 of 22

日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

號碼(No.): ETR25301291

四溴雙酚-A 分析流程圖 / Analytical flow chart - TBBP-A



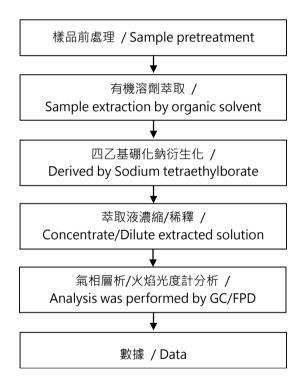


**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

#### 有機錫分析流程圖 / Analytical flow chart - Organic-Tin



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com.tw/terms-of-service">https://www.sgs.com.tw/terms-of-service</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

頁數(Page): 19 of 22

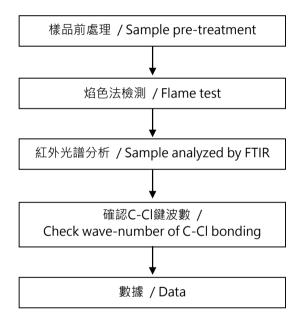


**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

#### 聚氯乙烯物質判定分析流程圖 / Analysis flow chart - PVC



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com.tw/terms-of-service">https://www.sgs.com.tw/terms-of-service</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

頁數(Page): 20 of 22



# **Test Report**

頁數(Page) : 21 of 22

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

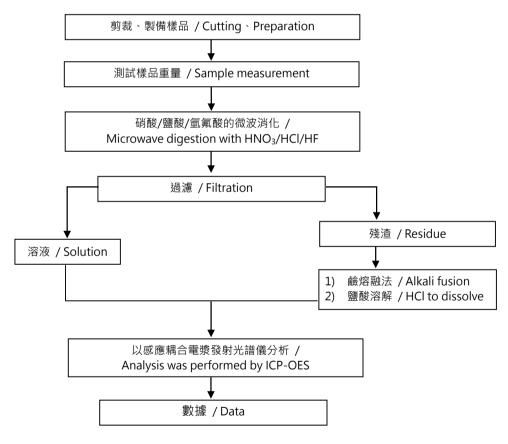
南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

#### 元素(含重金屬)分析流程圖 / Analytical flow chart of elements (Heavy metal included)

根據以下的流程圖之條件、樣品已完全溶解。

These samples were dissolved totally by pre-conditioning method according to below flow chart.

【參考方法/Reference method: US EPA 3051A、US EPA 3052】



\* US EPA 3051A 方法未添加氫氟酸 / US EPA 3051A method does not add HF.



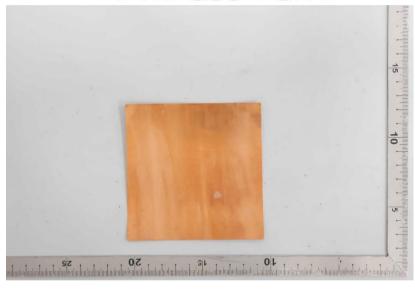
**Test Report** 

號碼(No.): ETR25301291 日期(Date): 12-Mar-2025

南亞電路板股份有限公司 (NAN YA PRINTED CIRCUIT BOARD CORPORATION) 南亞電路板(昆山)有限公司 (NAN YA PRINTED CIRCUIT BOARD (KUN SHAN) CO., LTD.) 桃園市蘆竹區南崁路一段338號 (NO. 338, SEC. 1, NANKAN RD., LUJHU DISTRICT, TAOYUAN CITY 338, TAIWAN) 江蘇省蘇州市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S)KUN SHAN ECONOMIC&TECHNICAL DEVEL OPMENT ZONE, JIANG SU.CHINA)

\* 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. \* (The tested sample / part is marked by an arrow if it's shown on the photo.)

#### ETR25301291



\*\* 報告結尾 (End of Report) \*\*

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com.tw/terms-of-service">https://www.sgs.com.tw/terms-of-service</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

頁數(Page): 22 of 22